

What is claimed is:

1. A motor comprising:

a yoke housing that rotatably houses an armature, wherein the armature has a rotatable shaft and a commutator;

a gear housing that is integrally assembled to the yoke housing and houses a speed reducing mechanism for decelerating rotation of the rotatable shaft;

a brush holder that holds brushes in slidable contact with the commutator; and

a connector portion for supplying the brushes with power from an external source, the motor being characterized in that:

the brush holder has a holder-side connecting portion;

the connector portion has a connector-side connecting portion for electrical and mechanical connection with the holder-side connecting portion; and

both the connecting portions are brought into connected state and clamped between the yoke housing and the gear housing.

2. The motor according to claim 1, characterized in that:

the yoke housing and the gear housing are assembled together in a direction of an axis of the rotatable shaft, and

the holder-side connecting portion of the brush holder and the connector-side connecting portion of the connector portion are connected with each other in a direction, which coincides with a direction of assembly of both the housings.

3. The motor according to claim 1 or 2, characterized in that the connector portion has a restraining portion for restraining movement in a direction, which is orthogonal to the rotatable shaft.

4. The motor according to any one of claims 1 to 3, further characterized by a plurality of fixing portions, which fix the yoke housing to the gear housing, wherein both the connecting portions are positioned between at least two of the fixing portions.

5. The motor according to any one of claims 1 to 4, characterized in that:

the brush holder has holder-side connecting terminals, and the connector portion has connector-side connecting terminals for electrical connection with the holder-side connecting terminals; and

concurrently with mechanical connection of both the connecting portions, the holder-side connecting terminals and the connector-side connecting terminals are connected with each other, and thereby both the connecting portions are electrically connected with each other.

6. The motor according to any one of claims 1 to 5, characterized in that at least one of the brush holder and the connector portion has a sealing member for sealing between the yoke housing and the gear housing.

7. The motor according to any one of claims 1 to 6, characterized in that the connector portion includes a control portion, which is integrally provided in the connector portion and controls rotation of the motor.

8. The motor according to any one of claims 1 to 7, characterized in that:

the connector portion has a first engaging portion; and

the gear housing has a second engaging portion, which is engaged with the first engaging portion in a direction of connecting the holder-side connecting portion with the connector-side connecting portion.

9. A method for the manufacture of a motor that has:

a yoke housing that rotatably houses an armature, wherein the armature has a rotatable shaft and a commutator;

a gear housing that is integrally assembled to the yoke housing and houses a speed reducing mechanism for decelerating the rotation of the rotatable shaft;

a brush holder that holds brushes in slidable contact with the commutator and has a holder-side connecting portion; and

a connector portion that has a connector-side connecting portion for electrical and mechanical connection with the holder-side connecting portion and is for supplying the brushes with power from an external source, wherein:

the connector portion has a first engaging portion; and

the gear housing has a second engaging portion to be engaged with the first engaging portion in a direction of connecting the holder-side connecting portion with the connector-side connecting portion, the method being characterized by:

engaging the first engaging portion of the connector portion with the second engaging portion of the gear housing to engage the connector portion with the gear housing; and

clamping both the connecting portions between the yoke housing and the gear housing while the holder-side connecting portion and the connector-side connecting portion are connected with each other.